

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/557,108
Source: PCT/10
Date Processed by STIC: 11/28/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED
SUGGESTED CORRECTION
SERIAL NUMBER: 10/559,108

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not saved** in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is **saved in ASCII text**.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules**, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>:<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If **intentional**, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



*Suggestion: Consult
Sequence Rules
for valid format*

PCT

*delete
extra <110>
(show it only
once)*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/557,108

DATE: 11/28/2005
TIME: 14:32:51

Input Set : N:\SMITH\PTO.TS.txt
Output Set: N:\CRF4\11282005\J557108.raw

W--> 2 <110> APPLICANT: Japan Science and Technology Agency
8 <110> APPLICANT: MIZU Masami *insert*
C--> 5 <120> TITLE OF INVENTION: Immunostimulant <130> and
C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/557,108 *response*
C--> 7 <141> CURRENT FILING DATE: 2005-11-14

7 <160> NUMBER OF SEQ ID NOS: 6

*see item 4 on
Error summary
sheet*

ERRORED SEQUENCES

9 <210> SEQ ID NO: 1
10 <211> LENGTH: 60
11 <212> TYPE: DNA
C--> 12 <213> ORGANISM: Artificial S-oligo nucleotide *invalid* (see item 10 on Error summary sheet)
14 <220> FEATURE:
15 <223> OTHER INFORMATION: Solid phase synthesized nucleotides S add "S"
17 <400> SEQUENCE: 1
E--> 18 tccatgacgt tcctgatgct aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa 60 *insert*
32 <210> SEQ ID NO: 3
33 <211> LENGTH: 8
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence *cumulative*
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Solid phase synthesized peptide
40 <400> SEQUENCE: 3
41 Arg Arg Arg Arg Arg Arg Arg Arg
E--> 42 1 5 *misaligned numbering - see item 3 on
Error summary
sheet*
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 60
46 <212> TYPE: DNA
C--> 47 <213> ORGANISM: Artificial S-oligo nucleotide *Sequence*
49 <220> FEATURE:
50 <223> OTHER INFORMATION: solid phase synthesized nucleotides S
52 <400> SEQUENCE: 4
E--> 53 tccatgagct tcctgatgct aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa 60 *insert*
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 60
57 <212> TYPE: DNA
C--> 58 <213> ORGANISM: Artificial nucleotide *Sequence*
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Solid phase synthesized nucleotides S
63 <400> SEQUENCE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/557,108

DATE: 11/28/2005
TIME: 14:32:51

Input Set : N:\SMITH\PTO.TS.txt
Output Set: N:\CRF4\11282005\J557108.raw

E--> 64 tccatgacgt tcctgatgct aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60 ← insert
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 60
Sequence
68 <212> TYPE: DNA
C--> 69 <213> ORGANISM: Artificial nucleotide
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Solid phase synthesized nucleotides ✓
74 <400> SEQUENCE: 6
E--> 75 tccatgagct tcctgatgct aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60 ← insert
E--> 83 1/3 delete

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/557,108

DATE: 11/28/2005
TIME: 14:32:52

Input Set : N:\SMITH\PTO.TS.txt
Output Set: N:\CRF4\11282005\J557108.raw

L:3 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:7 M:270 C: Current Application Number differs, Replaced Current Application No
L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:12 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:18 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:1
L:42 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
L:47 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:53 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:4
L:58 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:64 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:5
L:69 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:75 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:6
L:83 M:254 E: No. of Bases conflict, LENGTH:Input:3 Counted:61 SEQ:6
L:83 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:83 M:252 E: No. of Seq. differs, <211> LENGTH:Input:60 Found:61 SEQ:6